

Pierre Nouvellet

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

72
papers

5,826
citations

34
h-index

76
g-index

82
ext. papers

7,487
ext. citations

12.8
avg, IF

5.17
L-index

#	Paper	IF	Citations
72	Estimating the effects of non-pharmaceutical interventions on COVID-19 in Europe. <i>Nature</i> , 2020 , 584, 257-261	50.4	1469
71	Ebola virus disease in West Africa--the first 9 months of the epidemic and forward projections. <i>New England Journal of Medicine</i> , 2014 , 371, 1481-95	59.2	1159
70	Suppression of a SARS-CoV-2 outbreak in the Italian municipality of Vo'. <i>Nature</i> , 2020 , 584, 425-429	50.4	631
69	EPIDEMIOLOGY. Countering the Zika epidemic in Latin America. <i>Science</i> , 2016 , 353, 353-4	33.3	191
68	After Ebola in West Africa--Unpredictable Risks, Preventable Epidemics. <i>New England Journal of Medicine</i> , 2016 , 375, 587-96	59.2	172
67	West African Ebola epidemic after one year--slowing but not yet under control. <i>New England Journal of Medicine</i> , 2015 , 372, 584-7	59.2	153
66	Reduction in mobility and COVID-19 transmission. <i>Nature Communications</i> , 2021 , 12, 1090	17.4	142
65	Comparison of molecular testing strategies for COVID-19 control: a mathematical modelling study. <i>Lancet Infectious Diseases</i> , 2020 , 20, 1381-1389	25.5	102
64	Ebola virus disease among children in West Africa. <i>New England Journal of Medicine</i> , 2015 , 372, 1274-7	59.2	100
63	Intron size and exon evolution in Drosophila. <i>Genetics</i> , 2005 , 170, 481-5	4	88
62	The role of rapid diagnostics in managing Ebola epidemics. <i>Nature</i> , 2015 , 528, S109-16	50.4	79
61	Outbreak analytics: a developing data science for informing the response to emerging pathogens. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2019 , 374, 20180276	5.8	76
60	Unraveling the drivers of MERS-CoV transmission. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016 , 113, 9081-6	11.5	72
59	Heterogeneities in the case fatality ratio in the West African Ebola outbreak 2013-2016. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2017 , 372,	5.8	66
58	Response to COVID-19 in South Korea and implications for lifting stringent interventions. <i>BMC Medicine</i> , 2020 , 18, 321	11.4	66
57	Outbreak of Ebola virus disease in the Democratic Republic of the Congo, April-May, 2018: an epidemiological study. <i>Lancet</i> , 2018 , 392, 213-221	40	66
56	Increased mortality attributed to Chagas disease: a systematic review and meta-analysis. <i>Parasites and Vectors</i> , 2016 , 9, 42	4	59

55	Noisy clocks and silent sunrises: measurement methods of daily activity pattern. <i>Journal of Zoology</i> , 2012 , 286, 179-184	2	57
54	The improbable transmission of <i>Trypanosoma cruzi</i> to human: the missing link in the dynamics and control of Chagas disease. <i>PLoS Neglected Tropical Diseases</i> , 2013 , 7, e2505	4.8	57
53	An Analysis of Eurasian Badger (<i>Meles meles</i>) Population Dynamics: Implications for Regulatory Mechanisms. <i>Journal of Mammalogy</i> , 2009 , 90, 1392-1403	1.8	57
52	Exposure Patterns Driving Ebola Transmission in West Africa: A Retrospective Observational Study. <i>PLoS Medicine</i> , 2016 , 13, e1002170	11.6	56
51	Eco-bio-social determinants for house infestation by non-domiciliated <i>Triatoma dimidiata</i> in the Yucatan Peninsula, Mexico. <i>PLoS Neglected Tropical Diseases</i> , 2013 , 7, e2466	4.8	55
50	State-level tracking of COVID-19 in the United States. <i>Nature Communications</i> , 2020 , 11, 6189	17.4	54
49	Key data for outbreak evaluation: building on the Ebola experience. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2017 , 372,	5.8	52
48	Ecology, evolution and control of Chagas disease: a century of neglected modelling and a promising future. <i>Advances in Parasitology</i> , 2015 , 87, 135-91	3.2	51
47	The influence of mean climate trends and climate variance on beaver survival and recruitment dynamics. <i>Global Change Biology</i> , 2012 , 18, 2730-42	11.4	50
46	Ebola Virus Disease among Male and Female Persons in West Africa. <i>New England Journal of Medicine</i> , 2016 , 374, 96-8	59.2	48
45	Revealing the Micro-scale Signature of Endemic Zoonotic Disease Transmission in an African Urban Setting. <i>PLoS Pathogens</i> , 2016 , 12, e1005525	7.6	45
44	A simple approach to measure transmissibility and forecast incidence. <i>Epidemics</i> , 2018 , 22, 29-35	5.1	41
43	Real-time Epidemic Forecasting: Challenges and Opportunities. <i>Health Security</i> , 2019 , 17, 268-275	2.1	40
42	Effects of genetic factors and infection status on wing morphology of <i>Triatoma dimidiata</i> species complex in the Yucatán peninsula, Mexico. <i>Infection, Genetics and Evolution</i> , 2011 , 11, 1243-9	4.5	39
41	The contribution of badgers to confirmed tuberculosis in cattle in high-incidence areas in England. <i>PLOS Currents</i> , 2013 , 5,		37
40	Anonymised and aggregated crowd level mobility data from mobile phones suggests that initial compliance with COVID-19 social distancing interventions was high and geographically consistent across the UK. <i>Wellcome Open Research</i> , 2020 , 5, 170	4.8	36
39	Rabies and canine distemper virus epidemics in the red fox population of northern Italy (2006-2010). <i>PLoS ONE</i> , 2013 , 8, e61588	3.7	34
38	How universal is coverage and access to diagnosis and treatment for Chagas disease in Colombia? A health systems analysis. <i>Social Science and Medicine</i> , 2017 , 175, 187-198	5.1	32

37	Fundamental insights into the random movement of animals from a single distance-related statistic. <i>American Naturalist</i> , 2009 , 174, 506-14	3.7	30
36	A multi-metric approach to investigate the effects of weather conditions on the demographic of a terrestrial mammal, the european badger (<i>Meles meles</i>). <i>PLoS ONE</i> , 2013 , 8, e68116	3.7	27
35	Rabies virus-neutralising antibodies in healthy, unvaccinated individuals: What do they mean for rabies epidemiology?. <i>PLoS Neglected Tropical Diseases</i> , 2020 , 14, e0007933	4.8	23
34	A graph-based evidence synthesis approach to detecting outbreak clusters: An application to dog rabies. <i>PLoS Computational Biology</i> , 2018 , 14, e1006554	5	21
33	Modelling historical changes in the force-of-infection of Chagas disease to inform control and elimination programmes: application in Colombia. <i>BMJ Global Health</i> , 2017 , 2, e000345	6.6	19
32	Complementary Paths to Chagas Disease Elimination: The Impact of Combining Vector Control With Etiological Treatment. <i>Clinical Infectious Diseases</i> , 2018 , 66, S293-S300	11.6	14
31	Are badgers Under The Weather? Direct and indirect impacts of climate variation on European badger (<i>Meles meles</i>) population dynamics. <i>Global Change Biology</i> , 2010 , 16, no-no	11.4	14
30	State-level tracking of COVID-19 in the United States		14
29	Case Fatality Ratio Estimates for the 2013-2016 West African Ebola Epidemic: Application of Boosted Regression Trees for Imputation. <i>Clinical Infectious Diseases</i> , 2020 , 70, 2476-2483	11.6	13
28	Potential inconsistencies in Zika surveillance data and our understanding of risk during pregnancy. <i>PLoS Neglected Tropical Diseases</i> , 2018 , 12, e0006991	4.8	13
27	Subnational analysis of the COVID-19 epidemic in Brazil		12
26	Fitness measures in selection analyses: sensitivity to the overall number of offspring produced in a lifetime. <i>Journal of Evolutionary Biology</i> , 2010 , 23, 282-92	2.3	11
25	A sub-national analysis of the rate of transmission of COVID-19 in Italy		10
24	Testing the level of ant activity associated with quorum sensing: An empirical approach leading to the establishment and test of a null-model. <i>Journal of Theoretical Biology</i> , 2010 , 266, 573-83	2.3	9
23	Genetic and spatial characterization of the red fox (<i>Vulpes vulpes</i>) population in the area stretching between the Eastern and Dinaric Alps and its relationship with rabies and canine distemper dynamics. <i>PLoS ONE</i> , 2019 , 14, e0213515	3.7	7
22	Distance is a barrier to recycling - or is it? Surprises from a clean test. <i>Waste Management</i> , 2020 , 108, 183-188	8.6	7
21	Quantifying the dynamics of COVID-19 burden and impact of interventions in Java, Indonesia		6
20	Using digital surveillance tools for near real-time mapping of the risk of infectious disease spread. <i>Npj Digital Medicine</i> , 2021 , 4, 73	15.7	6

19	Using syndromic measures of mortality to capture the dynamics of COVID-19 in Java, Indonesia, in the context of vaccination rollout. <i>BMC Medicine</i> , 2021 , 19, 146	11.4	6
18	Rabies as a Public Health Concern in India-A Historical Perspective. <i>Tropical Medicine and Infectious Disease</i> , 2020 , 5,	3.5	5
17	Age matters in the UK's Brexit referendum. <i>Significance</i> , 2017 , 14, 30-33	0.5	4
16	SARS-CoV-2 infection prevalence on repatriation flights from Wuhan City, China. <i>Journal of Travel Medicine</i> , 2020 , 27,	12.9	4
15	Parameter-free testing of the shape of a probability distribution. <i>BioSystems</i> , 2007 , 90, 509-15	1.9	3
14	Database of epidemic trends and control measures during the first wave of COVID-19 in mainland China. <i>International Journal of Infectious Diseases</i> , 2021 , 102, 463-471	10.5	3
13	Data journalism and the COVID-19 pandemic: opportunities and challenges. <i>The Lancet Digital Health</i> , 2021 , 3, e619-e621	14.4	3
12	Spatiotemporal variability in case fatality ratios for the 2013-2016 Ebola epidemic in West Africa. <i>International Journal of Infectious Diseases</i> , 2020 , 93, 48-55	10.5	2
11	Mouthing off about developmental stress: Individuality of palate marking in the European badger and its relationship with juvenile parasitoses. <i>Journal of Zoology</i> , 2011 , 283, 52-62	2	2
10	Descriptive analysis of surveillance data for Zika virus disease and Zika virus-associated neurological complications in Colombia, 2015-2017. <i>PLoS ONE</i> , 2021 , 16, e0252236	3.7	2
9	Global predictions of short- to medium-term COVID-19 transmission trends : a retrospective assessment		1
8	Spatial and temporal invasion dynamics of the 2014-2017 Zika and chikungunya epidemics in Colombia. <i>PLoS Computational Biology</i> , 2021 , 17, e1009174	5	1
7	Reservoir dynamics of rabies in south-east Tanzania and the roles of cross-species transmission and domestic dog vaccination.. <i>Journal of Applied Ecology</i> , 2021 , 58, 2673-2685	5.8	1
6	Sub- or supercritical transmissibilities in a finite disease outbreak: Symmetry in outbreak properties of a disease conditioned on extinction. <i>Journal of Theoretical Biology</i> , 2019 , 467, 80-86	2.3	0
5	Spatiotemporal variations in exposure: Chagas disease in Colombia as a case study.. <i>BMC Medical Research Methodology</i> , 2022 , 22, 13	4.7	0
4	Comparison of machine learning methods for estimating case fatality ratios: An Ebola outbreak simulation study. <i>PLoS ONE</i> , 2021 , 16, e0257005	3.7	0
3	Biased sex-ratio and sex-biased heterozygote disadvantage affect the maintenance of a genetic polymorphism and the properties of hybrid zones. <i>Journal of Evolutionary Biology</i> , 2013 , 26, 1774-83	2.3	
2	Testing the level of ant activity associated with quorum sensing: an empirical approach leading to the establishment and test of a null-model (response to the comment of Richardson et al.). <i>Journal of Theoretical Biology</i> , 2011 , 280, 191-3	2.3	

1 Modelling the influence of naturally acquired immunity from subclinical infection on outbreak dynamics and persistence of rabies in domestic dogs. *PLoS Neglected Tropical Diseases*, **2021**, 15, e0009581^{4,8}